

CIPANP 2018 - Thirteenth Conference on the Intersections of Particle and Nuclear Physics

Tuesday 29 May 2018

Neutrino Masses and Neutrino Mixing: Parallel 1 — Neutrino Mass and Astrophysical Neutrinos - South Foyer | Nopales Room (14:00-15:40)

-Conveners: Daniel Dwyer

| time | [id] title | presenter |
|-------|--|--------------------------|
| 14:00 | [248] The KATRIN Neutrino Mass Measurement: Experiment, Status, and Outlook | Prof. FRANKLIN, Gregg |
| 14:20 | [180] Project 8: Cyclotron Radiation Emission Spectroscopy, a New Technique in Direct Neutrino Mass Measurement | Mr ASHTARI ESFAHANI, Ali |
| 14:40 | [225] Recent Borexino Measurements of Solar Neutrinos from the pp-Chains with Prospects for Detection of CNO Neutrinos | Prof. CALAPRICE, Frank |
| 15:00 | [286] Solar and Supernova Neutrino Detection in the Deep Underground Neutrino Experiment | Ms CONLEY, Erin |
| 15:20 | [276] The Myriad Wonders and Challenges of Gd-Loading in WC Detectors | Prof. VAGINS, Mark |

Neutrino Masses and Neutrino Mixing: Parallel 2 — Neutrinoless Double Beta Decay - South Foyer | Nopales Room (16:10-18:30)

-Conveners: Daniel Dwyer

| time | [id] title | presenter |
|-------|--|----------------------|
| 16:10 | [140] First $0\nu\beta\beta$ Decay Search Results from CUORE and Status of CUPID R&D | WELLIVER, Bradford |
| 16:40 | [62] Status and Initial Results of the Majorana Demonstrator | Dr XU, Wenqin |
| 17:10 | [210] LEGEND: The Large Enriched Germanium Experiment for Neutrinoless Double-Beta Decay | Dr MYSLIK, Jordan |
| 17:30 | [311] Deep Neural Networks for Energy and Position Reconstruction in EXO-200 | Dr WEBER, Manuel |
| 17:50 | [150] Status and Future for the NEXT Collaboration in Neutrinoless Double Beta Decay | Dr JOHNSTON, Sereres |
| 18:10 | [270] Search for Neutrinoless Double-Beta Decay with SNO+ | Dr FISCHER, Vincent |

Wednesday 30 May 2018

Neutrino Masses and Neutrino Mixing: Parallel 3 — Reactor Neutrinos - South Foyer | Nopales Room (14:00-15:40)

-Conveners: Daniel Dwyer; Andre de Gouvea

| time | [id] title | presenter |
|-------|---|-------------------------|
| 14:00 | [249] Reactor Neutrino Oscillation at Daya Bay | KRAMER, Matthew |
| 14:30 | [285] Latest Results of the Double Chooz Experiment | Mr SOLDIN, Philipp |
| 15:00 | [145] PROSPECT: a Precision Reactor Oscillation and SPECTrum Short-Baseline Antineutrino Experiment | Prof. LITTLEJOHN, Bryce |
| 15:20 | [22] Accelerator and Reactor Complementarity in Coherent Neutrino-Nucleus Scattering | Dr NEWSTEAD, Jayden |

Neutrino Masses and Neutrino Mixing: Parallel 4 — Higher Energy Neutrinos - South Foyer | Nopales Room (16:10-18:30)

-Conveners: Daniel Dwyer; Andre de Gouvea

| time | [id] title | presenter |
|-------|---|------------------------|
| 16:10 | [200] Recent Long-Baseline Neutrino Mixing Results from NOvA | BAYS, Kirk |
| 16:40 | [310] Neutrino Oscillation Results from the T2K Experiment | VILELA, Cristovao |
| 17:10 | [321] The Short Baseline Neutrino Oscillation Program at Fermilab | Dr JOSHI, Jyoti |
| 17:30 | [162] Characterizing Single-Phase LArTPC Detector Performance with MicroBooNE | Mr BARNES, Christopher |
| 17:50 | [195] Event Reconstruction Techniques for ANNIE Phase II | Dr WANG, Jingbo |
| 18:10 | [34] Theia: A Multi-Purpose Water-Based Liquid Scintillator Detector | Dr FISCHER, Vincent |

Thursday 31 May 2018

Neutrino Masses and Neutrino Mixing: Parallel 5 — Double Beta Decay with Final-State Detection | Low-Energy Neutrino Scattering - East Foyer | Larkspur/Mesquite Rooms (14:00-15:40)

-Conveners: Daniel Dwyer; Andre de Gouvea

| time | [id] title | presenter |
|-------|--|---|
| 14:00 | [236] Status of the nEXO Experiment | WU, Shuoxing |
| 14:20 | [242] Demonstration of Single Barium Ion Sensitivity for Neutrinoless Double Beta Decay Using Single Molecule Fluorescent Imaging | Dr NYGREN, David Prof. NYGREN, David |
| 14:40 | [6] Overview of Decay-At-Rest Neutrino Sources | Dr WINKLEHNER, Daniel |
| 15:00 | [264] CEvNS Observation at the SNS with the COHERENT Experiment | Dr TOLSTUKHIN, Ivan |
| 15:20 | [146] Recent MiniBooNE Results: First Measurement of Monoenergetic Muon Neutrino Charged Current Interactions and a Search for Vector Portal Dark Matter | FITZPATRICK, Rory |

Neutrino Masses and Neutrino Mixing: Parallel 6 — LBNE | Neutrino Cross Sections - South Foyer | Nopales Room (16:10-18:30)

-Conveners: Daniel Dwyer; Andre de Gouvea

| time | [id] title | presenter |
|-------|---|---------------------------|
| 16:10 | [299] Overview of DUNE | Prof. BIAN, Jianming |
| 16:40 | [268] Measurements of Neutrino-Nucleus Scattering from 0.1–10 GeV | MARSHALL, Christopher |
| 17:10 | [319] The CAPTAIN Program: Status and Plans | Prof. MAUGER, Christopher |
| 17:30 | [201] Neutrino Scattering Studies in MicroBooNE | PAPAVASSILIOU, Vassili |
| 17:50 | [284] Hadron Production Measurements for Long-Baseline Neutrino Experiments with NA61/SHINE | Dr NAGAI, Yoshikazu |
| 18:10 | [136] Isolating Neutrino Cross Section Uncertainties with Theory | Dr MEYER, Aaron |